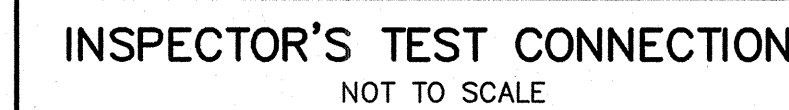
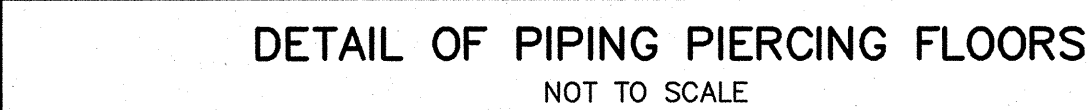
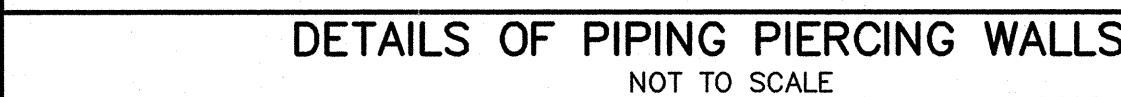
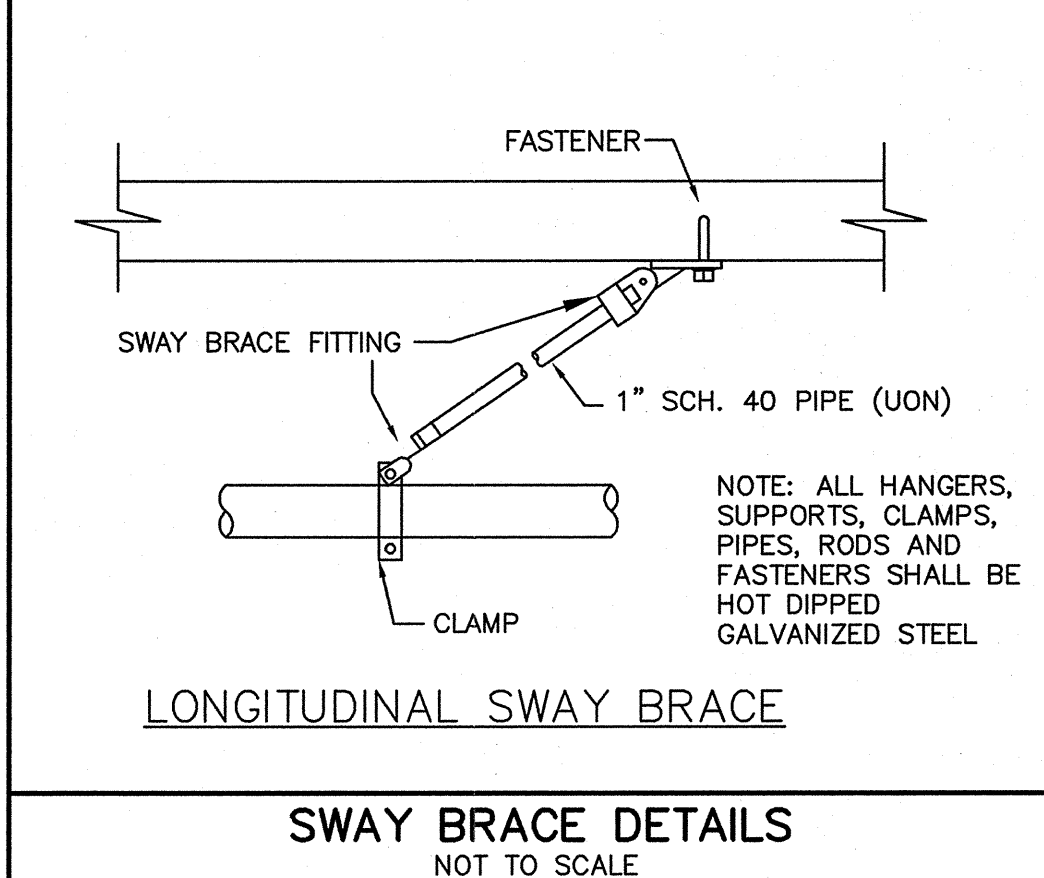
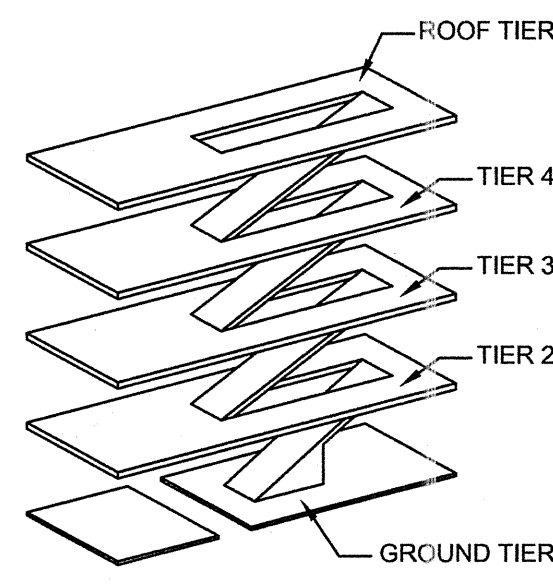


1. INTENT: THE INTENT OF THE DRAWINGS IS TO PROVIDE THAT THE WORK AND ALL PARTS THEREOF SHALL BE, WHEN FULLY COMPLETED, SUITABLE IN EVERY WAY FOR THE PURPOSES FOR WHICH IT IS INTENDED. PROVIDE ALL MATERIALS AND LABOR NECESSARY TO MAKE THE SYSTEM FULLY OPERABLE AND IN COMPLIANCE WITH ALL APPLICABLE CODES. WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE BUILDING CODE, LOCAL AMENDMENTS AND THE REFERENCED NATIONAL FIRE PROTECTION ASSOCIATION CODES INCLUDING NFPA 13, 14, 20 AND 24.
2. DRAWINGS: THE DRAWINGS ARE SCHEMATIC REPRESENTATIONS OF THE WORK TO BE DONE. THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR DOING HYDRAULIC CALCULATIONS AND PREPARING WORKING DRAWINGS SHOWING ACTUAL SIZE AND LOCATIONS OF ALL WORK.
3. COORDINATION: COORDINATE ALL WORK AND WORK SCHEDULES WITH THAT OF OTHER TRADES AFFECTED BY THE ENTIRE SCOPE OF THE PROJECT SO THAT ALL WORK MAY BE INSTALLED IN THE MOST DIRECT AND WORKMANLIKE MANNER AND SO THAT INTERFERENCE WITH DUCTWORK, PIPING, EQUIPMENT, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL COMPONENTS AND OTHER WORK IS AVOIDED.
4. INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE OR REPLACEMENT.
5. ALL EQUIPMENT AND MATERIALS FURNISHED UNDER THE FIRE PROTECTION SUBCONTRACT, LABOR AND TESTING PERFORMED HEREIN SHALL BE IN COMPLETE ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE, LOCAL AUTHORITIES HAVING JURISDICTION, NATIONAL FIRE PROTECTION ASSOCIATION, INSURANCE REGULATIONS AND REQUIREMENTS GOVERNING SUCH WORK.
6. PERMITS REQUIRED FOR THE WORK SHALL BE PROVIDED INCLUDING ALL FEES OR EXPENSES INCURRED.
7. UNLESS OTHERWISE NOTED, IT IS THE INTENT OF THESE DOCUMENTS THAT THIS AREA SHALL BE 100% SPRINKLERED. PROVIDE A COMPLETE HYDRAULICALLY CALCULATED SPRINKLER. HYDRAULIC CALCULATIONS SHALL INCLUDE A 10 PSI BUFFER.
8. THE SPRINKLER CONTRACTOR SHALL PREPARE WORKING DRAWINGS OF THE SPRINKLER WORK AND OBTAIN APPROVALS FROM THE LOCAL FIRE DEPARTMENT, BUILDING DEPARTMENT, OWNER'S INSURANCE AGENT AND ARCHITECT PRIOR TO INSTALLATION. SUBMIT TO ARCHITECT ONLY AFTER APPROVAL BY OTHER AUTHORITIES. WORKING DRAWINGS SHALL BE STAMPED BY A MASSACHUSETTS REGISTERED PROFESSIONAL FIRE PROTECTION ENGINEER.
9. ROUTING OF SPRINKLER MAINS, BRANCHES AND HEADS SHALL BE THOROUGHLY COORDINATED WITH OTHER TRADES AND BUILDING STRUCTURE PRIOR TO SUBMISSION OF COORDINATED SHOP DRAWINGS. ALL CEILING HEIGHTS INDICATED ARE APPROXIMATE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL NECESSARY MEASUREMENT REQUIRED FOR PRODUCING HIS WORKING DRAWINGS.
10. ALL PIPING SHALL BE PROTECTED AGAINST DAMAGE FROM EARTHQUAKES. EARTHQUAKE PROTECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 13.
11. WHERE APPLICABLE, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF SPRINKLER HEADS.
12. SPRINKLER HEADS IN AREAS WITH NO FINISHED CEILING SHALL BE UPRIGHT TYPE LOCATED AS HIGH AS POSSIBLE. HEADS SUBJECT TO PHYSICAL DAMAGE SHALL BE INSTALLED WITH PROTECTIVE CAGES. IN AREAS WITH FINISHED CEILING, SPRINKLER HEADS SHALL BE CONCEALED PENDANT TYPE WITH COVER PLATE (COLOR OF COVER PLATE SHALL BE APPROVED BY THE ARCHITECT).
13. WORK SHALL BE PROPERLY AND EFFECTIVELY PROTECTED AND PIPE OPENINGS SHALL BE TEMPORARILY CLOSED TO PREVENT OBSTRUCTION AND DAMAGE BEFORE COMPLETION.
14. PITCH ALL DRY PIPE SPRINKLER AND STANDPIPE SYSTEMS TO DRAIN. PROVIDE AUXILIARY DRAINS AT ALL LOW POINTS.
15. PIPE PROTECTION BARRIERS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR WHEREVER PIPING IS SUBJECT TO DAMAGE. COORDINATE LOCATIONS OF ALL BARRIERS WITH GC.

	NEW WORK (SHOWN DARK)
	SP SPRINKLER PIPING
	DSP DRY STANDPIPE
	FDV FIRE DEPARTMENT VALVE
	UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	DP DRY PENDANT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
	BUTTERFLY VALVE
	CHECK VALVE
	PIV POST INDICATOR VALVE
	GATE VALVE
	PRESSURE GAUGE
	RISER DOWN
	BRANCH—TOP CONNECTION
	BRANCH—BOTTOM CONNECTION
	CAP ON END OF PIPE
	UNION
	FLANGE
	STRAINER
	DIRECTION OF FLOW
	DOWNSIDE DIRECTION OF PIPE PITCH
	DCBFP DOUBLE CHECK BACKFLOW PREVENTER
	FDC FIRE DEPARTMENT CONNECTION
	PIPE TO BE HEAT TRACED



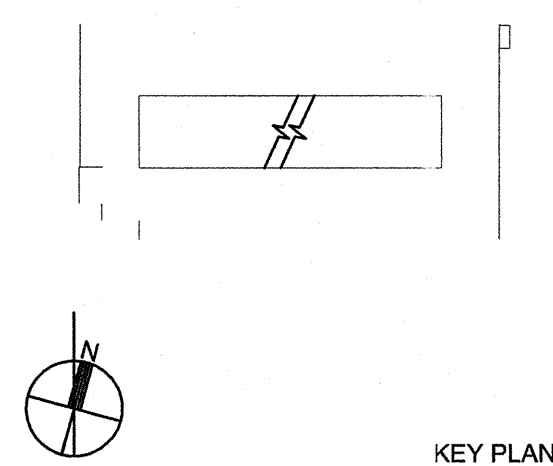
60% SUBMITTAL
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[illegible]

FIRE PROTECTION
GROUND
FLOOR PLAN
FP-1